

A REST

The present invention relates to a rest, particularly, but not exclusively a rest for a vehicle.

In vehicles, particularly on long journeys, comfort is especially important.
5 Supporting the feet and/or legs can increase comfort. It is an object of the invention to provide such support and thereof alleviate any discomfort which may otherwise be experienced.

According to one aspect of the present invention there is provided a rest for use in a vehicle comprising a housing having a sloping upper face and means for
10 adjusting the position of the housing relative to the vehicle.

According to another aspect of the present invention there is provided a vehicle having a rest disposed in a footwell of the vehicle, the rest comprising a housing having a sloping upper face and means for adjusting the position of the housing relative to the vehicle.

15 In a preferred embodiment of the invention, the housing defines a storage space and the sloping upper face is provided by a pivotal lid which closes off the storage space but which may be pivoted to the open position to allow access thereto. The lid may be powered. The means for adjusting the position of the housing relative to the vehicle comprises a motorised rack and pinion arrangement operative to move
20 the housing on a pair of rails affixed to the floor of the vehicle. Preferably the driving motors are electric although other forms of motor may be used. Advantageously, the sloping upper face may be provided with a layer of wear resistant material such as carpet matching the carpet of the vehicle.

In order that the invention may be more clearly understood, one embodiment thereof will now be described, by way of example, with reference to the accompanying drawings in which:-

- Figure 1 shows a perspective view of a rest according to the invention,
- 5 Figure 2 a cross sectional view, in an open position and to a smaller scale, of the rest of Figure 1
- Figure 3 shows a further perspective view of the rest of Figure 1 with the lid removed,
- Figure 4 shows a perspective view of the rest of Figures 1 to 3 in use in a
10 vehicle
- Figure 5 shows a further perspective view of the rest of Figures 1 to 3 in a different operational position.
- Figure 6 shows the rest of Figures 1 to 5 in use in one operative position and
- Figure 7 shows a view similar to Figure 6 but with the rest in another operative
15 position.

Referring to Figures 1 to 3, the rest 1 comprises a housing 2 surmounted by an electrically powered lid 3. The lid 2 has an angled form of shallow inverted V-shaped cross-section providing a sloping upper face 4. A layer 5 of a wear resistant material, such as carpet preferably matching the carpet
20 of the vehicle in which the rest is fitted, is affixed to this sloping upper face 4.

Referring particularly to Figure 2, the lid 3 is pivotally mounted at 6 on the housing 2 for electrically powered movement in the direction of arrow 7 between the open position shown and the closed position shown in Figure 1 and in shadow outline in Figure 2. With the lid in the open position access is permitted to an enclosure defined

by the housing 2. The housing comprises a base 8 to support items stored. The base is also carpeted.

The rest is mounted for movement on a pair of parallel rails 9. A rack 10 is connected to one of the rails and a motorised pinion 11 runs on the rack 10. The motor (not shown) driving the pinion 11 is preferably electrical but other types of motor may be used. Operation of the pinion 11 on the rack moves the rest up and down the rails 9 in the longitudinal direction of the rails 9.

Referring to Figure 4, two rests as shown in Figures 1 to 3 are shown in position in a vehicle. One rest 26 is shown with the lid 3 in the closed position in one of the rear footwells 24 of a motor car and against the base of the corresponding front seat 25. In this position the rest may be used as a footrest as shown for example is Figure 6. The position of the footrest may be altered to suit by the passenger in the direction shown by the arrow 26. The other footrest 27 is shown with the lid 3 in the open position permitting items, in this case a pair of shoes 30, to be stored, in the footwell 28 against the base of the other front seat 29. The rest 27 is also shown in a more rearwardly adjusted position. In this position the rest 27 may provide support for the calves as shown, for example, in Figure 7.

The above described arrangement provides a comfortable adjustable leg/foot support which is especially beneficial on long journeys. At the same time accessible and convenient extra storage is also provided.

It will be appreciated that the above embodiment has been described by way of example only and that many variations are possible without departing from the scope of the invention.